

Hyperion INDUSTRIES, INC.



• POWER EQUIPMENT DIVISION

134 COOLIDGE AVENUE, WATERTOWN, MASSACHUSETTS, 02172
TWXN: WTNW MASS - 860 TEL. WA 6-0140

CATALOG
PED-100
HIGH POWER
SUPPLIES

SHORT FORM CATALOGUE of SOLID STATE POWER SUPPLIES

HY-T1 "Heavy Current" Rack Mounted Power Supplies



WEN ASSOCIATES, INC.
56 Lake Ave. - Box 178
Nutley, New Jersey 08400
Area Code 201 LI 9-9573

Input: 103-127 VRMS 54 to 66 cps
Regulation: Combined worst case line and load Conditions
Voltage: 0.025% or 5 mv. which ever is greater
Current: 0.05% or 2 ma. which ever is greater
Response Time: 50 usec Ripple: 1 mv. RMS max.
Multiple load connections via tapped half-inch aluminum bars

Volts	Amps	Model No.	Height	Price
0-10	0-15	HY-T1-10-15	3-1/2"	\$ 440
0-10	0-40	HY-T1-10-40	5-1/4"	695
0-10	0-60	HY-T1-10-60	7"	975
0-20	0-10	HY-T1-20-10	3-1/2"	440
0-20	0-30	HY-T1-20-30	5-1/4"	645
0-20	0-45	HY-T1-20-45	7"	1095
0-40	0-7.5	HY-T1-40-7.5	3-1/2"	430
0-40	0-15	HY-T1-40-15	5-1/4"	625
0-40	0-30	HY-T1-40-30	7"	845
0-60	0-5	HY-T1-60-5	3-1/2"	519
0-60	0-10	HY-T1-60-10	5-1/4"	655
0-60	0-20	HY-T1-60-20	7"	945
0-160	0-2	HY-T1-160-2	3-1/2"	560
0-160	0-5	HY-T1-160-5	5-1/4"	845
0-160	0-8.0	HY-T1-160-8	7"	1195
0-330	0-1	HY-T1-330-1	3-1/2"	615
0-330	0-2.5	HY-T1-330-2.5	5-1/4"	895
0-330	0-4	HY-T1-330-4	7"	1795

FEATURES

- Chassis Depth - 16"
- Constant Voltage - Constant Current Operation
- Remote Sensing
- Remote Programming
- Isolated Output
- Will track external sources
- No Minimum Load Requirement
- Short Circuit Proof
- Full output rating at 50 °C
- Parallel operation
- Series operation
- Coarse and fine controls for both Voltage and Current
- 48 hours pre-aging at factory

STANDARD HIGH POWER REGULATED POWER SUPPLIES

HY-Z1- Power Supply Series

Input - 105-125 vac 54-66 cps

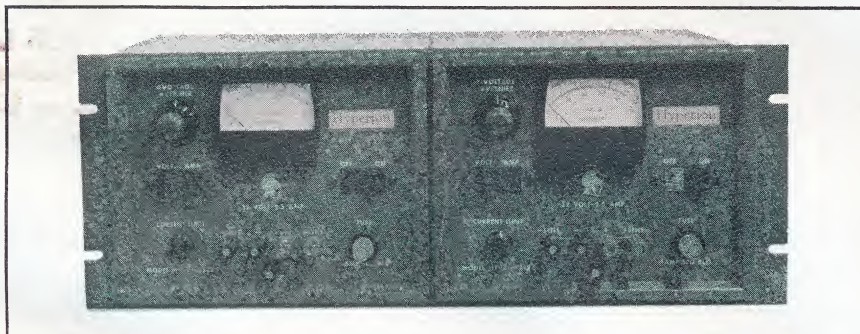
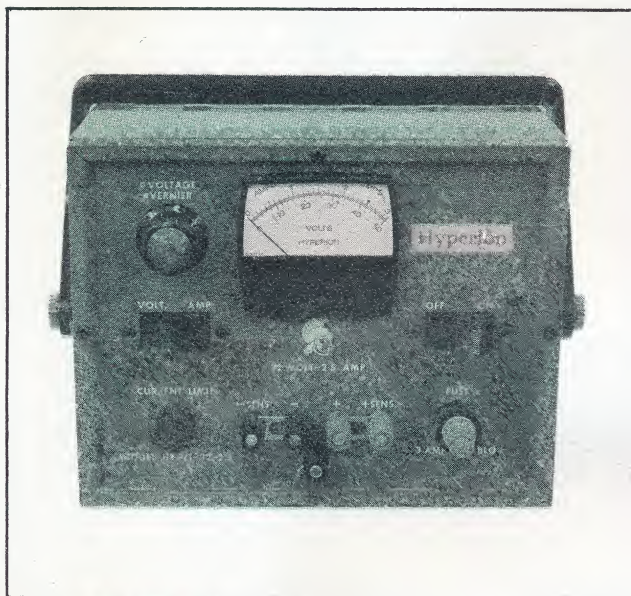
Regulation - Combined line and load 0.05% or 5 mv (whichever is greater)

Response Time - 50 usec

Temperature - Continuous full load 50°C

Size - Single unit: 6-5/8" high x 8-1/2" wide x 10-7/8" deep

- No Derating
- Short Circuit Proof
- Remote Sensing
- Metered Output
- Isolated Output
- 48 Hours Pre-aging at Factory
- Vernier Voltage Adjustment
- Portable
- No Turn On - Turn Off Transient



Dual or single unit rack mounted: 7" high x 19" wide x 10-7/8" deep - \$11.00 complete

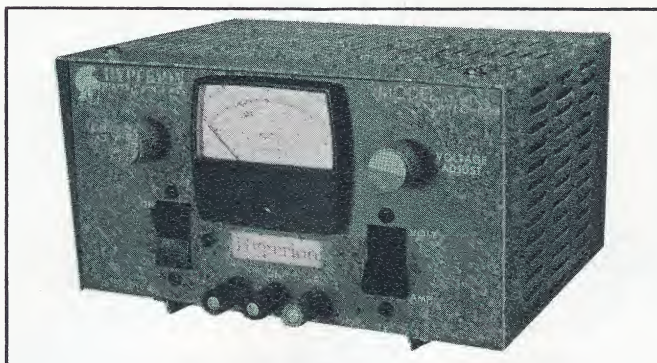
Model	Output		Overload Protection	Ripple RMS	Price
	Volts	Amps			
HY-Z1-16-1.5**	0-16	0-1.5	Adjustable Current limit	1 MV	\$179.00
HY-Z1-16-4.5**	0-16	0-4.5	Adjustable Current limit	1 MV	\$219.00
HY-Z1-16-7.5*	0-16	0-7.5	Adjustable Electronic Flip	2 MV	\$279.00
HY-Z1-32-1**	0-32	0-1.0	Adjustable Current limit	1 MV	\$189.00
HY-Z1-32-2.5**	0-32	0-2.5	Adjustable Current limit	1 MV	\$229.00
HY-Z1-32-5*	0-32	0-5.0	Adjustable Electronic Flip	2 MV	\$289.00
HY-Z1-50-1.5	0-50	0-1.5	Adjustable Current Limit	1 MV	\$225.00
HY-Z1-60-0.5**	0-60	0-0.5	Adjustable Current limit	1 MV	\$199.00
HY-Z1-60-1.0**	0-60	0-1.0	Adjustable Current limit	1 MV	\$239.00
HY-Z1-60-2.0*	0-60	0-2.0	Adjustable Electronic Flip	2 MV	\$299.00
HY-Z1-160-1.0	0-160	0-1.0	Fused	2 MV	\$319.00
HY-Z1-330-0.35	0-330	0-0.35	Fused	2 MV	\$319.00

*Voltage variable through 4 position switch and dual vernier control.

**Remote programming available \$35.00 extra.

CONSTANT VOLTAGE - CONSTANT CURRENT REGULATED POWER SUPPLIES

HY-W1 Power Supply Series

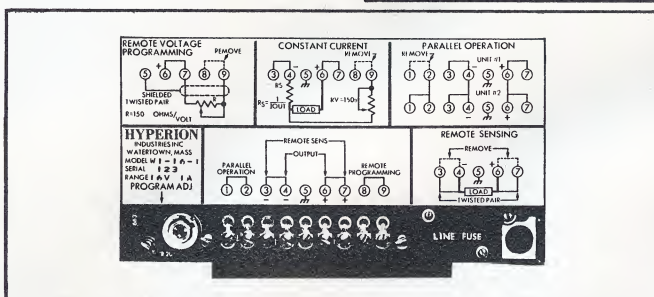


Portable Lab Supplies

Input: 105-125 VRMS, 50-440 cps
 Regulation: 0.05% or 5 MV, whichever is greater, combined line and load
 Response Time: 50 usec
 Temperature: Continuous full load at 50°C
 Size: 4-3/4" high x 8-1/4" wide x 6-1/2" deep
 Weight: 8-3/4 lbs net - shipping weight 12 lbs

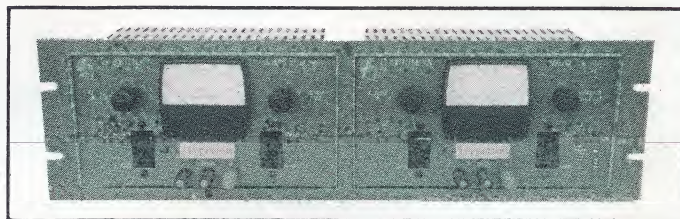
SALIENT FEATURES -

- Constant Current or Constant Voltage Regulation
- Adjustable Current Limiting
- Parallel or Series Operation
- Remote Programming
- Remote Voltage Sensing
- Voltage Outputs on Front and Rear of Unit
- No Derating of Output Current over Full Voltage Range
- Short Circuit Proof
- Isolated Output
- No Turn On - Turn Off Transients
- Metered Output
- Adjustable Remote Programming Resistance



Connections for remote programming, remote sensing, series/parallel operation, and constant current or constant voltage regulation are made on rear of unit.

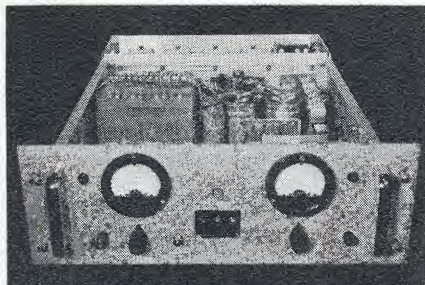
Single or dual mounting in 5-1/4" high 19" Relay Rack panel - \$11.00 complete



Model	Voltage Range	Current	Price	Regulator	Ripple RMS
HY-W1-7.5-3.0	0-7.5 VDC	3 Amp.	\$159.00	Silicon	350 microvolts
HY-W1-16-1.0	0-16 VDC	1 Amp.	\$139.00	Germanium	350 microvolts
HY-W1-20-1.5	0-20 VDC	1.5 Amp.	\$159.00	Silicon	350 microvolts
HY-W1-30-0.6	0-30 VDC	0.6 Amp.	\$129.00	Germanium	350 microvolts
HY-W1-40-0.8	0-40 VDC	0.8 Amp.	\$159.00	Silicon	350 microvolts
HY-W1-60-0.3	0-60 VDC	0.3 Amp.	\$149.00	Germanium	350 microvolts
HY-W1-100-0.15	0-100 VDC	0.15 Amp.	\$159.00	Germanium	1 millivolt

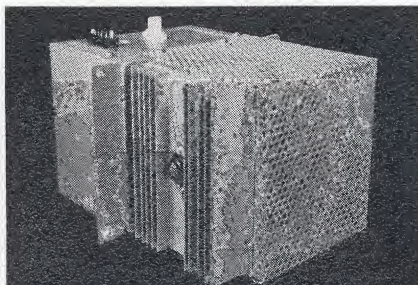
All prices quoted are FOB Watertown, Mass.
 Terms are net 30 days.
 Data and prices subject to change without notice.

MILITARY POWER SUPPLIES CUSTOM DESIGNED TO
YOUR SPECIFICATIONS



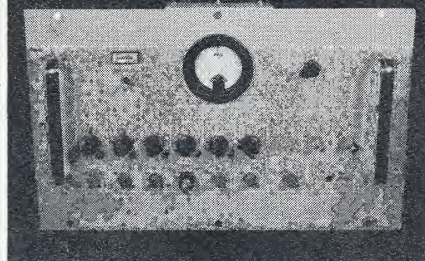
COMPUTER SYSTEM SUPPLY

Input: 108/220 VAC., 60 cps $\pm 10\%$ 3 phase,
4 wire
Output: 4.4 VDC @ 0-12 amps. (overvoltage,
overcurrent protection)
Regulation: $\pm 0.1\%$
Ripple: 1 MV, peak to peak
Temp: 0-50°C
Mil Specs: Mil-E-4158, Mil-Q-9858



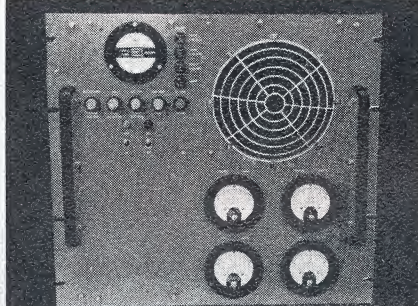
ADJUSTABLE HIGH VOLTAGE SUPPLY

Input: +20 VDC @ 1.4 amps max.
Output: Adjustable 4 KVDC to 5 KVDC
@ 2.0 ma.
Regulation: $\pm 1\%$
Ripple: $\pm 0.05\%$
Temp: 0-65°C



MULTIPLE OUTPUT SYSTEM SUPPLY

Input: 115 VAC $\pm 10\%$, 400 cps $\pm 10\%$,
3 phase
Outputs: +50 VDC @ 0.25 amps
+10 VDC @ 3.0 amps
-5 VDC @ 12 amps
-10 VDC @ 8 amps
-12 VDC @ 0.75 amps
-30 VDC @ 1.5 amps
Regulation: 1%
Ripple: 8 MV, peak to peak
Temp: -29°C to +55°C
Mil Specs: Mil-I-945, Mil-Q-9858



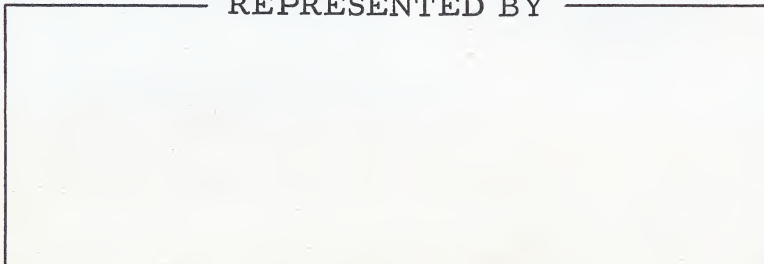
GROUND SUPPORT POWER SUPPLY

Input: 120 VAC $\pm 10\%$, 48-62 cps.
Single phase
Outputs: 145 to 155 VDC, 0-2.5 amps
10 to 16 VDC, 0-2.5 amps
6.2 to 6.8 VDC, 25 amps
Regulation: 1 and 2...0.15%, 3...2%
Ripple: outputs 1 & 2 less than 0.05%
output 3, less than 5%
Temp: 0-55°C
Mil Specs: Mil-E-4158, Mil-E-4970,
Mil-R-26474

HYPERION POWER SUPPLIES
Custom Engineered to Mil Specs.

Hyperion's "custom engineered" power-supplies employ modular circuit techniques, easily accessible plug-in modules and internal modular construction, to increase mean time between failure figure and decrease mean time to repair figure. Power supplies of this construction have been manufactured and designed by Hyperion for such diversified fields as airborne, shipborne, satellite, ground support, missile support and applications which include TWT, Klystron, High Voltage, Computer and many others. Illustrated above are a few specific examples.

REPRESENTED BY

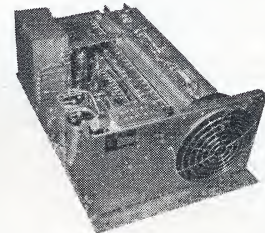


Hyperion

**CUSTOM
ENGINEERED**

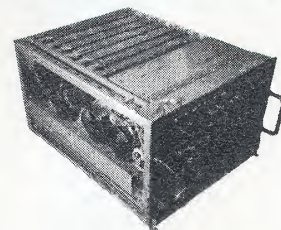
POWER SUPPLIES

Hyperion has "custom engineered" power supplies to MIL Specs for many years. The Airborne Custom MIL Power Supply meets MIL-E-5400, MIL-T-5422 and MIL-I-6181 specifications. The Shipborne Custom MIL Power Supply meets MIL-E-16400 and all its associated specs. Both units are designed and manufactured to MIL-Q-9858 standards.



**500 VOLT-AMPERE
Regulated Excitation Supply**

Input: 120/208 VAC $\pm 10\%$,
60 cps $\pm 5\%$, 3 phase
Output: +250 VDC at 0-2 amps
Regulation: $\pm 0.5\%$
Ripple: 3.5 mv, rms
Temperature: 0°C to +65°C



**Airborne Multiple Output
System Supply**

Input: 107 VAC to 120 VAC @ 380 cps
to 420 cps, 3 phase
Output: 11 regulated DC outputs from
-50 VDC to +300 VDC,
total output power 3 KW
Regulation: $\pm 0.25\%$ including
temperature stability
Altitude: 50,000 ft.
Temp.: -55°C to +55°C

Our power supply capabilities are far ranging, including such diversified fields as satellite, ground support (MIL-E-4158), missile support (MIL-I-983) and other types which include TWT, Klystron, High Voltage, Computer and many others.

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